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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/725,363	12/03/2003	Su-Byeong Kim	P24630	3104
7055	7590 01/12/2005		EXAMINER	
GREENBLUM & BERNSTEIN, P.L.C.			KING, BRADLEY T	
1950 ROLAN RESTON, V	ND CLARKE PLACE A 20191		ART UNIT PAPER NUMBER	
,			3683	

DATE MAILED: 01/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/725,363	KIM ET AL.				
/ Office Action Summary	Examiner	Art Unit				
	Bradley T King	3683				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the	correspondence address -	-			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be a within the statutory minimum of thirty (30) dayill apply and will expire SIX (6) MONTHS from cause the application to become ABANDON	timely filed ays will be considered timely. In the mailing date of this communica ED (35 U.S.C. § 133).	tion.			
Status						
1)⊠ Responsive to communication(s) filed on 18 O	ctober 2004.					
·	action is non-final.					
·	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 4	153 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-4</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-4</u> is/are rejected.	_					
) ☐ Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.	·				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Offic	e Action or form PTO-152.	•			
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).				
a)⊠ All b)□ Some * c)□ None of:		, , , ,				
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents	s have been received in Applica	tion No				
Copies of the certified copies of the prior	ity documents have been receiv	ved in this National Stage				
application from the International Bureau	` ''	•				
* See the attached detailed Office action for a list	of the certified copies not receiv	red.				
Attachment(s)	_					
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4)					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) 🔲 Notice of Informal	Patent Application (PTO-152)				
Paper No(s)/Mail Date	6)	•				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Eguchi et al (EP 1 065 115).

Eguchi et al disclose all the limitations of the instant claims including: a plurality of solenoid valves **SV** that shut the brake hydraulic circuit; and a plurality of variable orifices **D** that variably reduce brake force of the wheel cylinders **WC** after the brake pedal is released, by utilizing a brake fluid flow to the master cylinder, wherein the solenoid valves and the variable orifices are connected to the brake hydraulic circuit in parallel, whereby changing the diameters of the variable orifices provides an adjustable delay in reducing the brake force the wheel cylinders. See figure 6, and paragraph [0104] which suggests a flow control valve for the restriction **D**. It is inherent to a flow control valve to have a varying orifice, as it is necessary for variation of fluid flow. Regarding the adjustable delay, Eguchi discloses that the restriction reduces the wheel cylinder pressure at a certain speed. It necessarily follows that the flow control valve (adjustable restriction) provides pressure reduction at an adjustable speed and therefore delay.

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Regarding claim 2, Eguchi et al disclose relief valves RV.

Regarding claims 3-4, Eguchi et al disclose check valves CV.

Response to Arguments

Applicant's arguments filed 10/18/2004 have been fully considered but they are not persuasive.

Eguchi discloses that the restriction reduces the wheel cylinder pressure at a certain speed. It necessarily follows that the flow control valve (adjustable restriction) provides pressure reduction at an adjustable speed and therefore delay. It is maintained that the rejections are proper.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bradley T King whose telephone number is (703) 308-8346. The examiner can normally be reached on 11:00-7:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on (703) 308-0830. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Robert A. SICO P. FY

BTK